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CLAIMS

1. A bending apparatus which moves one of upper and lower tables, and performs bending on a workpiece with tools attached to said upper and lower tables, comprising:

tool-layout information determination device for automatically or manually determining tool-layout information based on product information;

tool housing device for housing a tool group including a plurality of split tools;

tool exchanging device for exchanging tool groups between said tool housing device, and said upper and lower tables; and

process station formation device for splitting a tool group transferred from said tool housing device to said upper and lower tables through said tool exchanging device into a plurality of tool groups based on said tool-layout information from said tool-layout information determination device, thereby forming a plurality of process stations.

- 2. The bending apparatus according to claim 1, wherein all of said plurality of split tools have the same length.
- 8. The bending apparatus according to claim 2, wherein all of said plurality of split tools have a length of 5 mm.
- 4. The bending apparatus according to claim 1, wherein said

 process station formation device comprises a separator, and said separator is
 movable rightward, leftward, frontward, backward, upward and downward.

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- 5. The bending apparatus according to claim 4, wherein said separator has an arm which is rotatably mounted on an abutment of a back gauge.
- 6. The bending apparatus according to claim 1, wherein said process station formation device comprises a fork-like separator, and said Fork-like separator has a pair of taper claws.
 - 7. A bending method in a bending apparatus which moves one of upper and lower tables, and performs bending on a workpiece with tools attached to said upper and lower tables,

forming a process station by isometric split tools based on automatically or manually determined tool layout information, and then performing bending.

8. A bending method in a bending apparatus which moves one of upper and lower tables, and performs bending on a workpiece with tools attached to said upper and lower tables,

forming a plurality of process station by transferring a tool group which comprises a plurality of split tools to upper and lower tables, splitting said transferred tool group into a plurality of tool groups based on automatically or manually determined tool-layout information, and then performing bending.

- 9. The bending method according to claim 8, wherein all of said plurality of split tools have the same length.
- 10. The bending method according to claim 9, wherein all of said plurality of split tools have a length of 5 mm.

11. A bending tool in a bending apparatus which moves one of upper and lower tables, and performs bending on a workpiece with tools attached to said upper and lower tables,

provided with a groove with which tool moving and positioning device for moving and positioning the bending tool in a longitudinal direction of said upper and lower tables can be engaged.

- 12. The bending tool according to claim 11, wherein said groove is tapered so that a tapered member of said tool moving and positioning device can be freely engaged therewith.
- 13. The bending tool according to claim 11 or 12, wherein said groove is formed on a back face of the bending tool.

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